(19) World Intellectual Property Organization
International Bureau



) | FORTH BILLIAM FOR THE FORTH BEING BILLIAM FOR HE FOR FOR FORTH BILLIAM FOR FORTH FOR FORTH BILLIAM FOR FOR

(43) International Publication Date 16 November 2006 (16.11.2006)

PCT

(10) International Publication Number WO 2006/119638 A1

(51) International Patent Classification:

**B01J 20/26 (2006.01) A61L 15/28 (2006.01)

**A61L 15/60 (2006.01)

(21) International Application Number:

PCT/CA2006/000772

(22) International Filing Date: 12 May 2006 (12.05.2006)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 2,507,121

12 May 2005 (12.05.2005) C

(71) Applicant (for all designated States except US):
ARCHER-DANIELS-MIDLAND COMPANY
[US/US]; 4666 Faries Parkway, Decatur, IL 62526
(US).

(72) Inventors; and

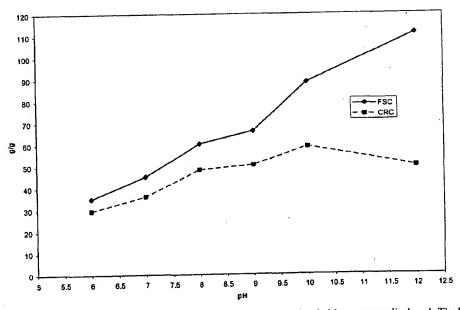
(75) Inventors/Applicants (for US only): COUFFIN, Anne-Claude [CA/CA]; 5716 St-Urbain, Montréal, Québec H2T 2X3 (CA). BERRADA, Mohammed [CA/CA]; 2381 Asselin, Longueuil, Québec J4M 2M5 (CA). LAFOREST, André [CA/CA]; 1048 Maisonneuve, apt. 1, Longueuil,

Québec J4K 5A1 (CA). NOURRY, Nicolas [CA/CA]; 454 du Mimosa, St-Amable, Québec J0L 1N0 (CA).

- (74) Agents: SOFIA, Michel et al.; BCF LLP, 1100 René-Lévesque Blvd. West, 25th Floor, Montréal, Québec H3B 5C9 (CA).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: ABSORBENT HYDROPHOBIC BORONATE GALACTOMANNAN COMPLEXES AND PROCESS FOR PRODUCING SAME.



(57) Abstract: Absorbent boronate-galactomannan complexes comprising a hydrophobic group are disclosed. The boronate-galactomannan complexes are solid materials capable of gel forming upon contacting with liquids. The boronate-galactomannan complexes are particularly suitable for absorbing liquids.

WO 2006/119638 A1 ||||||

WO 2006/119638 A1



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.